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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/024,223	12/21/2001	Sam Young Ahn	8733.523.00	3348

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MCKENNA LONG & ALDRIDGE LLP  
1900 K STREET, NW  
WASHINGTON, DC 20006

EXAMINER
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RUDE, TIMOTHY L

ART UNIT	PAPER NUMBER
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2871

MAIL DATE	DELIVERY MODE
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05/01/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

*SUPPLEMENTAL*  
**Notice of Allowability**

Application No.

10/024,223

Examiner

Timothy L. Rude

Applicant(s)

AHN, SAM YOUNG

Art Unit

2871

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 12 March 2007.
2. ☒ The allowed claim(s) is/are 1-4, 7, 8, 24, 27, 28 and 30-34.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
David Nelms  
Supervisory Patent Examiner  
Technology Center 2800

tir

## DETAILED ACTION

### ***Claims***

Claims 7 and 30-32 are amended to correct their dependency by AMENDMENT UNDER 37 C.F.R §1.312. Claims 7 and 30-32 are reinstated (no longer canceled).

### ***Allowable Subject Matter***

Claims 1-4, 7, 8, 24, 27-28, and 30-34 are allowed.

The following is an examiner's statement of reasons for allowance:

As to claims 1, 24, and 28, relevant prior art of record did not disclose, alone or in combination, the liquid crystal display module for a notebook computer as claimed comprising: a bottom cover; a light guide panel; a reflector adjacent to the bottom cover and the light guide panel, the reflector including a first hole; and a main support being adjacent to bottom cover and having a protrusion extending a predetermined distance from a surface of the main support and engaged with the first hole; wherein the bottom cover includes a second hole for receiving the protrusion.

The closest combination is Applicant's Admitted Prior Art (APA) in view of Furihata USPAT 6,309,081 B1.

APA discloses in Figures 1-3 a conventional liquid crystal display module for a notebook computer (specification page 7, [0033]), comprising:

a liquid crystal display panel, 20, in which a liquid crystal is injected between two substrates; a light guide panel, 4, for converting incident light from a light source to be directed toward the liquid crystal display panel (Applicant's flat type light), wherein the converted light is directed toward said liquid crystal display panel (specification, page 2); a reflector, 8, for preventing light leakage through a rear surface for the light guide panel (Applicant's wrapping the bottom surface of said light guide panel); a main support, 6, containing said liquid crystal display panel and said light guide panel.

Furihata teaches a backlight unit in Figure 1 comprising a clamping member, 300, disposed in said reflector, [60 and 300 comprise a two-piece reflector, col. 4, lines 20-32], and adjacent said main support for fixing them (col. 4, lines 62-67), and 2) a portion of an upper surface of said reflector, 60 and 300, is adjacent to a bottom surface of said light guide panel, 20, and wherein a portion of said upper surface of said reflector, 300, is non-adjacent to said bottom surface of said light guide panel, to provide proper assembly without an adhesive (col. 4, lines 59-61).

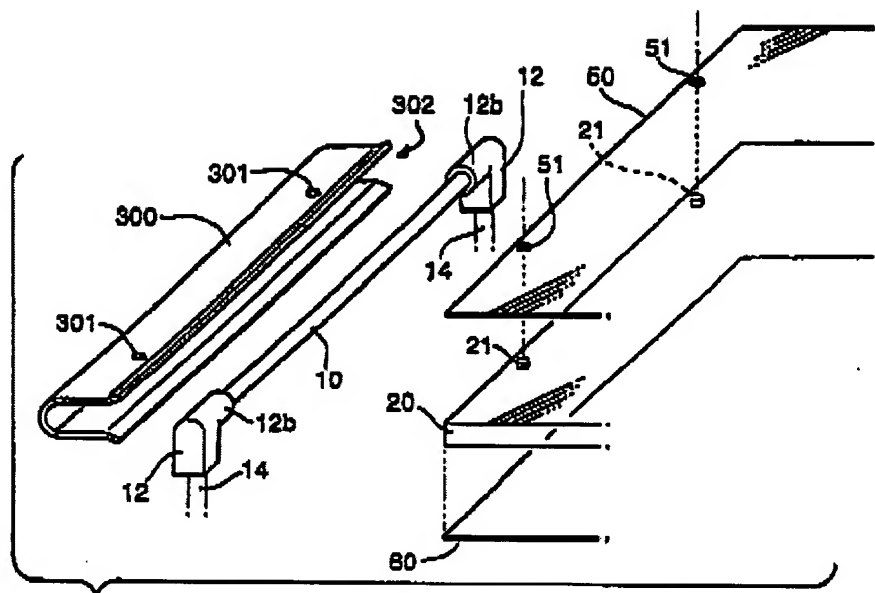


Fig. 1

(a)

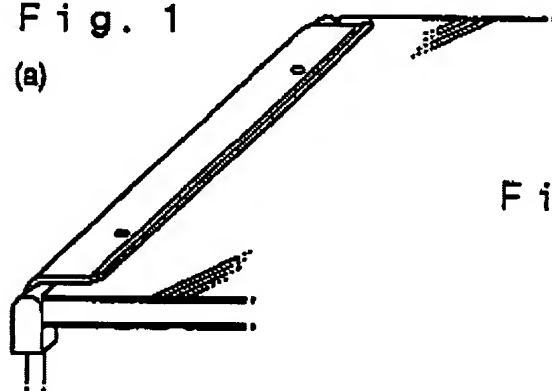
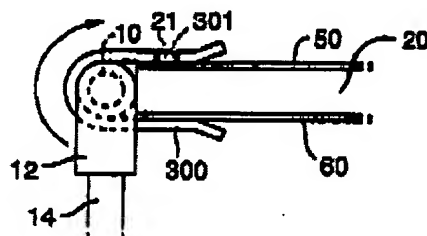


Fig. 1

(b)

Fig. 1

(c)



However, no prior art with proper motivation to combine was found to teach the claimed reflector including a first hole; and a main support being adjacent to bottom cover and having a protrusion extending a predetermined distance from a surface of the main support and engaged with the first hole; wherein the bottom cover includes a

second hole for receiving the protrusion. IDS filed 13 December 2006 contains similar teachings, but said IDS contains nothing that is considered to render the above limitations of the claimed invention obvious.

Claims 2-4, 7, 8, 27, and 30-34 properly depend from claims with allowable subject matter above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy L. Rude whose telephone number is (571) 272-2301. The examiner can normally be reached on Mon-Thurs.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



tlr

Timothy L Rude  
Examiner  
Art Unit 2871



David Nelms  
Supervisory Patent Examiner  
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